

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.

09/963,827

Confirmation No. 1175

Applicant:

Sullenger, et al.

Filed

September 26, 2001

TC/A.U.

1635

Examiner

Sean McGarry

Docket No.

10815.105002

Customer No.:

20786

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

February 2, 2004

Supplemental Information Disclosure

Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, Applicants cite the publications listed on the accompanying PTO-1449. Copies of all listed references are enclosed. Since this Information Disclosure Statement has been filed prior to a substantive Office Action, the Applicants believe that no additional fees are due. If the Commissioner believes this to be an error, he is hereby authorized to charge any requisite fees to Deposit Account No. 11-0980.

Respectfully submitted,

Sherry M. Knowles Registration No. 33,052

KING & SPALDING 191 Peachtree Street Atlanta, Georgia 30303 Telephone: 404-572-3541

Facsimile: 404-572-5145

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this Supplemental Information Disclosure, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

2/2/04

Date

Susanne Hollinge

Approved for use through 10/31/2002. OMB 0651-0031

FÈB 0 5 2004

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Juder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute far orm 1449A/PTO		Complete if Known		
THORMATION DISCLOSURE				
STATEMENT BY APPLICANT				
(use as many sheets as necessary)				
	Application Number	09/963,827		
	Filing Date	September 26, 2001		
	First Named Inventor	Sullenger, et al.		
	Group Art Unit	1635		
	Examiner Name	Sean McGarry		
Sheet 1 of 3	Attorney Docket Number	10815.105002		

		U	J.S. PATENT DOCUMENTS			
Examiner Initials *	Cite No.	U.S. Patent Document	Name of Patentee or Applicant of Cited Date of Publi Document of Cited Doc MM-DD-Y		nt Where Relevant	
		Number Kind Code ² (if known)				
	AA	5,245,022	Weis, et al.	9-14-1993		
	AB	5,475,096	Gold, et al.	12-12-1995		
	AC	5,476,766	Gold, et al.	12-19-1995		
	AD	5,543,293	Gold, et al.	8-6-1996	.,	
	AE	5,595,877	Gold, et al.	1-21-1997		
	AF	5,660,985	Pieken, et al.	8-26-1997		
	AG	5,670,633	Cook, et al.	9-23-1997		
	AH	5,670,637	Gold, et al.	9-23-1997		
	Al	5,686,242	Bruice, et al.	11-11-1997		
	AJ	5,696,249	Gold, et al.	12-9-1997		
	AK	5,723,323	Kauffman, et al.	3-3-1998	1 4	
	AL	5,756,291	Griffin, et al.	05-26-1998		
	AM	5,814,476	Kauffman, et al.	9-29-1998.	. :	
	AN	5,817,785	Gold, et al.	10-6-1998		
	AO	5,859,221	Cook, et al.	1-12-1999		
	AP	5,872,232	Cook, et al.	2-16-1999		
	AQ	5,958,691	Pieken, et al.	9-28-1999		

was a state of the		
Examiner	 Date	
Signature	Considered	i .

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0 3 2001	Und Und	der the Paperwork Reduction	n Act of 1995, no persor	ns are required to respond to a collection	n of inform	nation unless it contains a valid O	MB control number.	
Substitute fo	Substitute for 1949 A/PTO				Сотр	olete if Known		
INFO	ŘMATI	ON DISCLOS	SURE					
		Γ BY APPLIC						
	(use	e as many sheets as neces	ssary)					
				Application Number	09/9	963,827		
				Filing Date	Filing Date September 26, 2001			
				First Named Inventor	Sull	lenger, et al.		
				Group Art Unit	1635	5		
•	-			Examiner Name	Sear	n McGarry		
Sheet	2	of	3	Attorney Docket Number	1081	15.105002		
	AR	6,222,025		Cook, et al.		4-24-2001		
	AS	6,331,398		Gold, et al.		12-18-2001		
	AT	6 521 584		Cook et al		3 11 2003		

					FORE	IGN PATENT DOCUMENTS		
Examiner Initials *	Cite No. 1	For	eign Patent I	Oocum	nent	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document DD-MM-YYYY	
		Office ³	Number (if known)	Kind	Code ²			
	AU	WO	92/1484	2				

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS
Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Ellington & Szostak, Selection of RNAs with Ligand-Specific Binding Activity from Pools of Random Sequence Molecules, Abstract; Cold Spring Harbor "RNA Processing" Conference (May 16-20, 1990)

Examiner	Date	
Signature	Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-00)

FEB 0 5 2004

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons be required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO	PADEMARKS		Complete if Known
INFORMATION DISCLOSU STATEMENT BY APPLICA	JRE		
(use as many sheets as necessa	ry)		
		Application Number	09/963,827
		Filing Date	September 26, 2001
		First Named Inventor	Sullenger, et al.
		Group Art Unit	1635
	,	Examiner Name	Sean McGarry
Sheet 3 of	3	Attorney Docket Number	10815.105002

AW	Kinzler & Vogelstein, Whole genome PCR: application to the identification of sequences bound by gene regulatory proteins, Nuc. Acids Rsch. 17: 3645 (1989)
AX	Szostak, Structure and Activity of Ribozymes; Redesigning the Molecules of Life, conference of International Symposium on Bioorganic Chemistry, Interlaken (May 4-6,1988)
AY	Oliphant, Brandl, Struhl, Defining the sequence specificity of DNA-binding proteins by selecting binding sites from random-sequence oligonucleotides: analysis of yeast GCN4 protein, Mol. Cell. Bio. 9: 2944-2949(1989)
AZ	Robertson & Joyce, Selection in vitro of an RNA enzyme that specifically cleaves single-stranded DNA (1990)
BA	Biedenkapp, et al., Viral myb oncogene encodes a sequence-specific DNA-binding activity, Nature 335: 835-837 (1988)
BB	Sheehan & Lan, <i>Phosophothioate Oligonucleotides Inhibit the Intrinsic Tenase Complex</i> , Blood, vol. 92(5); 1617-1625 (1998)

		·
Examiner	Date	
Ditailine	F-11-0	
Signature	Considered	
Signature .	Constacted	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if Finelish language Translation is attached.